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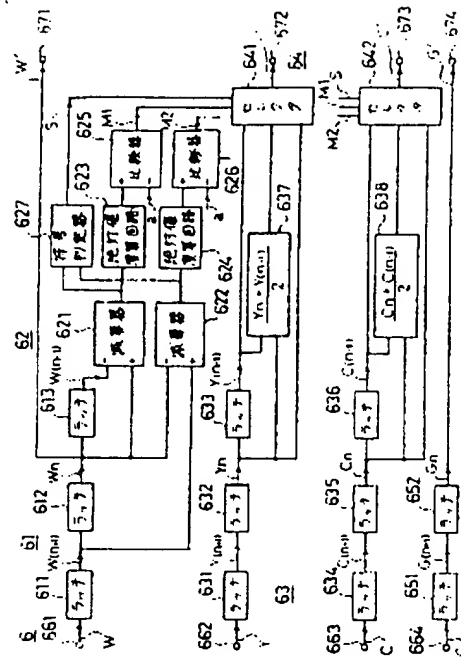
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TITLE : COLOR PICTURE READING DEVICE



ABSTRACT : PURPOSE: To reduce the noise of the color boundary part of a read picture by providing a color signal converting means consisting of a luminance signal extracting means, a detecting means, an interpolating means and a selecting means.

CONSTITUTION: The luminance signal extracting means 61 considers a signal from a prescribed light receiving element as a luminance signal, and extracts the luminance signals corresponding to an (n-1)-th, an n-th and an (n+1)-th picture elements, where (n) is a positive integer, as the luminance signals existing at the same time. The detecting means 62 detects the differences between the (n+1)-th and the n-th luminance signals and between the n-th and the (n-1)-th luminance signals among said extracted luminance signals. The interpolating means 63 obtains the color signal between the n-th color signal and the (n-1)-th or the (n+1)-th color signal from the n-th and the (n-1)-th or the (n+1)-th color signals of the same kind by interpolation. Then, one signal among the n-th color signal, the (n-1)-th color signal or the (n+1)-th color signal and an interpolated signal obtained from the means 63 is outputted as the n-th color signal according to a detected difference signal detected by the means 62 by the selecting means 64.

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